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DPD-5282-59

4 August 1959

MEMORANDUM FOR: Acting Chief, DPD-DD/P

SUBJECT : Malfunction Report, Period Ending 31 July 1959

1. The following malfunction information is presented for the period ending 31 July 1959:

I. Communications

A. Detachment "B"

- (1) Mission 4125 - Tube V-9 in [REDACTED] preamplifier failed. 25X1A
- 25X1A (2) Mission 4131 - A blown fuse in bias supply of [REDACTED] prevented automatic turn-on. Later tests failed to discover the cause of the blown fuse.
- 25X1A (3) Mission 4133 - Also blown fuse in bias supply of [REDACTED]. A current measurement of the supply was made which indicated the need for a fuse of increased current rating. The fuse rating was increased from .1 amp to .2 amps.
- 25X1A (4) Mission 4132 - The number three receiver of [REDACTED] suffered a sensitivity reduction from 97 dbm to 54 dbm due to a defective solder connection on the filament line of the multicoupler strip.
- 25X1A (5) Mission 1519 - [REDACTED] recorder capstan motor ran slow during the latter portion of the mission. Undergoing investigation to determine the cause.

B. Detachment "C"

- (1) This detachment submitted a negative report for this period.

C. Edwards AFB

- (1) No report received from this detachment for this period.

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II. Photographic Equipment

A. During the period 1 July 1959 through 30 July 1959, there were a total of twenty-two missions reported flown using photographic equipment. Equipments malfunctioned on six of these missions giving an overall effectiveness of 72.7%.

B. Equipment reliability for the above referenced period was:

	<u>A-1 Conf.</u>	<u>A-2 Conf.</u>	<u>B Conf.</u>	<u>Trackers</u>
Missions flown	0	0	7	22
Malfunctions	0	0	1	5
Per Cent Eff.	0	0	85.7%	77.3%

C. B Configuration: Failure was due to tearing of film about five or six inches from film splice. Reason for tearing has been undetermined. Although this has been considered a malfunction in the report, operationally the mission was considered 100% successful.

D. Tracker Malfunction: Reasons for two tracker malfunctions were undetermined and no report of reason has been received at this time. Two malfunctions were due to metering switch failures and switches were replaced. One malfunction was due to film sticking to film guides and this is an indication that it may have been poor pre-flight or personnel error.

25X1A E. Remarks: Replacements for [REDACTED] of P&E are trained and should be placed (pending security clearance) by 15 August 1959. This should make an improvement in the tracker malfunction return.

III. Air Frame and Engines

No malfunctions reported this period.

25X1A

[REDACTED]
Chief, Materiel Branch
DPD-DD/P

MB/DPD-DD/P:CFW:ms
Dist: O - A/CH/DPD
1 - DD/P
1 - OPS/DPD
1 - MAT/DPD
1 - RI/DPD